

ABSTRACTION OF DISCLOSURE:

The magnetic flux generated by stator electrical winding can flow inside motor stator structure, so when we need magnetic force to make the rotor (the rotor without electrical winding) turn, we really need not put stator electrical winding and rotor in the same medium. We can separate them by welding part of the dome of a hermetic (or semi hermetic) refrigeration (or air condition) system to stator poles to seal the rotor inside and leave the troublesome stator electrical winding outside of the dome. This way, the compressor powered by this mike 8001(or 8001-1) induction motor design can be much safer and reliable to operate even in more critical environment (like pumping and compressing poison, dangerous gas). There will be no leak, no overheating problem and easy, cheap to replace a motor with mike 8002-stator design.